

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Original): A hybrid dispersion comprising polyadducts and free-radical addition polymers, obtainable by first emulsifying the constituent monomers of said polyadducts and polymers in water and then conducting the polyaddition to prepare the polyadducts and the free-radical addition polymerization to prepare the polymers, the respective monomers being emulsified in water before 40% of the monomers of which the polyadducts are composed have reacted to form such polyadducts.

Claim 2 (Currently Amended): ~~[[A]]~~ The hybrid dispersion as claimed in claim 1, obtainable by conducting the polyaddition and the free-radical addition polymerization in an aqueous miniemulsion whose monomer droplets have a monomer particle size of not more than 1000 nm.

Claim 3 (Currently Amended): ~~[[A]]~~ The hybrid dispersion as claimed in claim 1 or 2, obtainable by emulsifying the respective monomers in water before 20% of the monomers of which the polyadducts are composed have reacted to form such polyadducts.

Claim 4 (Currently Amended): ~~[[A]]~~ The hybrid dispersion as claimed in claim 1 or 3, obtainable by emulsifying the respective monomers in water before 5% of the monomers of which the polyadducts are composed have reacted to form such polyadducts.

Claim 5 (Currently Amended): ~~[[A]]~~ The hybrid dispersion as claimed in ~~any of claims 1 to 4~~ claim 1, comprising polyurethanes and polyurethaneureas as polyadducts.

Claim 6 (Currently Amended): ~~[[A]]~~ The hybrid dispersion as claimed in ~~any of~~
~~claims 1 to 5~~ claim 1, comprising polyadducts formed by reaction of epoxide groups with
alcohols, acids, amines or anhydrides.

Claim 7 (Currently Amended): ~~[[A]]~~ The hybrid dispersion as claimed in ~~any of~~
~~claims 1 to 6~~ claim 1, comprising free-radical addition polymers composed in total of at least
40% by weight of principal monomers selected from C₁ to C₂₀ alkyl (meth)acrylates,
C₃ to C₂₀ cycloalkyl (meth)acrylates, vinylaromatics having up to 20 carbon atoms, vinyl
esters of carboxylic acids having 1 to 20 carbon atoms, ethylenically unsaturated nitriles,
vinyl ethers of alcohols containing 1 to 10 carbon atoms, vinyl halides, nonaromatic
hydrocarbons having 2 to 8 carbon atoms and one or two conjugated double bonds, and
mixtures of these monomers.

Claim 8 (Currently Amended): ~~[[A]]~~ The hybrid dispersion as claimed in ~~any of~~
~~claims 1 to 7~~ claim 1, the proportion of the polyadducts based on the sum of the fractions of
the polyadducts and of the free-radical addition polymers being from 1 to 99% by weight.

Claim 9 (Original): A process for preparing a hybrid dispersion comprising
polyadducts and free-radical addition polymers, which comprises first emulsifying the
constituent monomers of said polyadducts and polymers in water and then conducting the
polyaddition to prepare the polyadducts and the free-radical addition polymerization to
prepare the polymers, the respective monomers being emulsified in water before 40% of the
monomers of which the polyadducts are composed have reacted to form such polyadducts.

Claim 10 (Currently Amended): [[A]] The process as claimed in claim 9, wherein the polyaddition and the free-radical addition polymerization are conducted at the same time.

Claim 11 (Currently Amended): [[A]] The process as claimed in claim 9, wherein first the polyaddition and then the free-radical addition polymerization is conducted.

Claim 12 (Currently Amended): [[A]] The process as claimed in claim 9, wherein first the free-radical addition polymerization and then the polyaddition is conducted.

Claim 13 (Currently Amended): [[A]] The process as claimed in ~~any of claims 9 to 12~~ claim 9, conducted in a miniemulsion generated by means of ultrasound or by means of a nozzle jet emulsifier.

Claim 14 (Currently Amended): [[A]] The process as claimed in ~~any of claims 9 to 13~~ claim 9, wherein the free-radical addition polymerization is conducted at temperatures of from 20 to 150°C.

Claim 15 (Currently Amended): [[A]] The process as claimed in ~~any of claims 9 to 14~~ claim 9, wherein the polyaddition is conducted at temperatures from 30 to 120°C.

Claim 16 (Currently Amended): [[A]] The process as claimed in ~~any of claims 9 to 15~~ claim 9, wherein the free-radical addition polymerization or the polyaddition is performed under superatmospheric pressure.

Claim 17 (Currently Amended): ~~[[A]] The process as claimed in any of claims 9 to 16~~ claim 9, wherein the addition polymerization is conducted with induction by radiation.

Claim 18 (Currently Amended): ~~The use of a hybrid dispersion as claimed in any of claims 1 to 8 as a~~ A binder for coating compositions or impregnating compositions comprising the hybrid dispersion as claimed in claim 1.

Claim 19 (Currently Amended): ~~The use of a hybrid dispersion as claimed in any of claims 1 to 8 as a~~ A binder in adhesives, varnishes, paints or paper coating slips or as a binder for fiber webs comprising the hybrid dispersion as claimed in claim 1.

Claim 20 (New): A method for binding a material comprising utilizing the hybrid dispersion as claimed in claim 1 as a binder.

Claim 21 (New): The method for binding a material as claimed in claim 20 wherein said material is at least one selected from the group consisting of a coating composition, an impregnating composition, an adhesive, a varnish, a paint, a paper coating slip and a fiber web.